

INTERNATIONAL SEARCH REPORT

In **onal Application No**
IB2004/050368

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C67/38 C07C69/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 314 309 A (THE BRITISH PETROLEUM COMPANY) 3 May 1989 (1989-05-03) cited in the application claims 1-10, example 2	1-10, 13-17
A	EP 0 279 477 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.) 24 August 1988 (1988-08-24) the whole document	1-17
P, A	WO 03/070370 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ) 28 August 2003 (2003-08-28) the whole document	1-17

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

8 July 2004

Date of mailing of the international search report

23/07/2004

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IB2004/050368

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0314309	A	03-05-1989	AU 606749 B2	14-02-1991
			AU 2332088 A	13-04-1989
			CA 1326010 C	11-01-1994
			DE 3889290 D1	01-06-1994
			DE 3889290 T2	04-08-1994
			DK 558288 A	09-04-1989
			EP 0314309 A2	03-05-1989
			FI 884620 A ,B,	09-04-1989
			JP 1132629 A	25-05-1989
			JP 2635719 B2	30-07-1997
			NO 884415 A ,B,	10-04-1989
			NZ 226407 A	27-03-1990
			US 4925918 A	15-05-1990
			US 5026674 A	25-06-1991
EP 0279477	A	24-08-1988	CA 1312877 C	19-01-1993
			DE 3870652 D1	11-06-1992
			EP 0279477 A1	24-08-1988
			ES 2032941 T3	01-03-1993
			JP 2573857 B2	22-01-1997
			JP 63192738 A	10-08-1988
WO 03070370	A	28-08-2003	WO 03070370 A1	28-08-2003